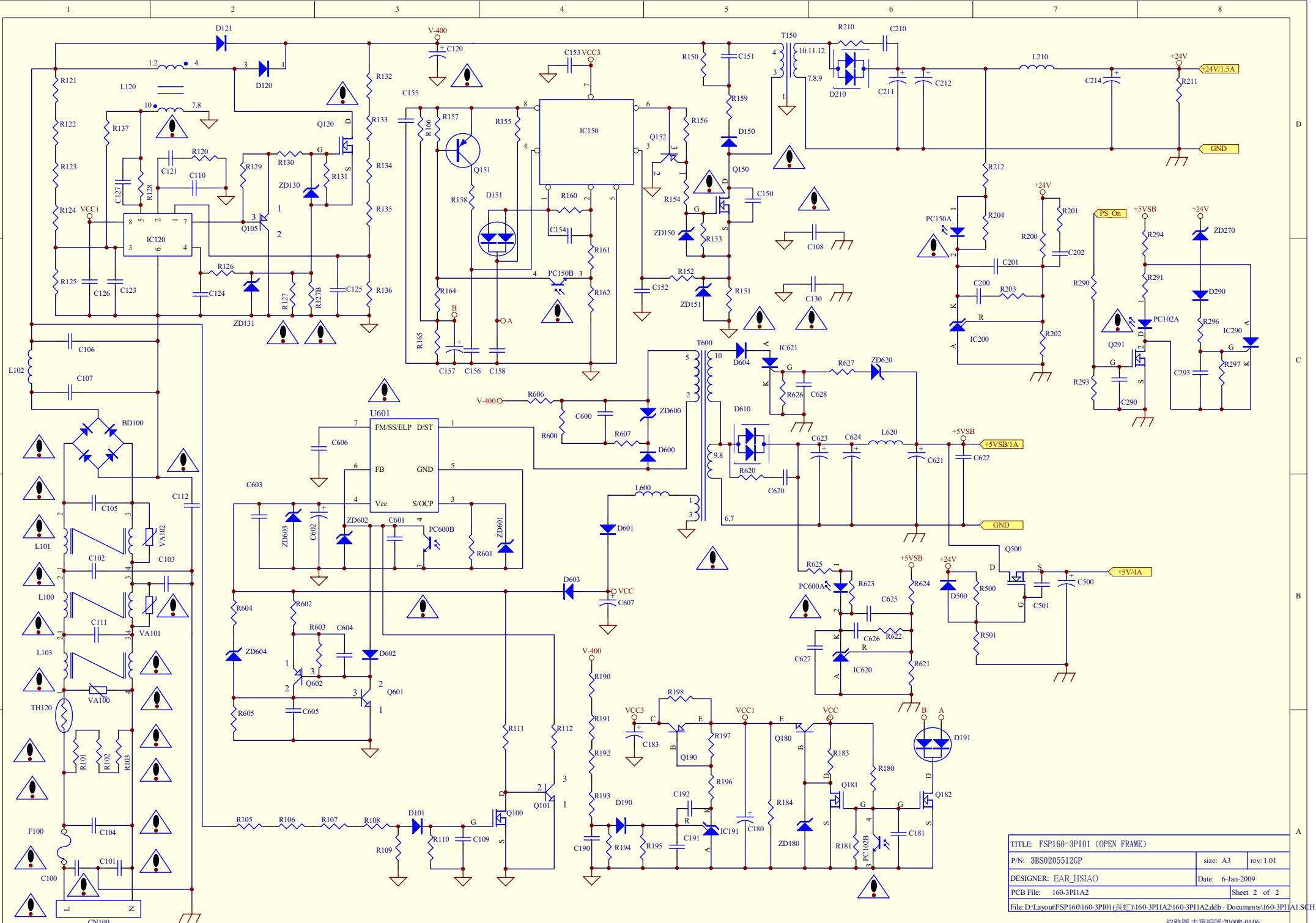


TITLE: FSP160-3P101 (INVERTER)		
P/N: 3BS0205512GP	size: A3	rev: 1.01
DESIGNER: Aching.Chou	Date: 6-Jan-2009	
PCB File: 160-3P1A2.PCB		Sheet 1 of 2
File: D:\Layout\FSP160\160-3P101(長)160-3P1A2\160-3P1A2.dfb	Documents\160-3P1	A(I) Sch



COMPONENT	COMP. NO.	MANUFACTURER	TYPE	TECHNICAL DATA	CCC NO.	UL FILE NO.	CSA FILE NO.
Conector	CN100	JOWLE TECHNOLOGY CO., LTD.	A3963W SERIES	250Vac, 7A	--	E200817	VDE
		TAIWAN KING PIN	PVHI	250Vac, 6/7A	--	E164798	VDE
		JST	VH	250Vac, 7A	--	E60389	VDE
BRIDGE DIODE	BD100 for FSP160-3PI01	VARIOUS	VARIOUS	Min. 4A, Min. 600V	--	--	--
	BD100 for FSP250-3PI03	VARIOUS	VARIOUS	Min. 8A, Min. 800V	--	--	--
FUSE	F100 (FSP160-3PI01)	Littlefuse	215	T4AH/250V	2002010207007593	E10480	VDE
		Walter	TSC	T4AH/250V	2002010207023043	E56092	VDE
		BEL	5HT	T4AH/250V	--	E20624	VDE
		Conquer	UDA	T4AH/250V	2002010207027084	E82636	VDE
		Cooper Bussmann Inc	S505	T4AH/250V	--	E19180	VDE
	F100 (FSP250-3PI03)	Littlefuse	215	T6.3AH/250V	2002010207007593	E10480	VDE
		Walter	TSC	T6.3AH/250V	2002010207023043	E56092	VDE
		BEL	5HT	T6.3AH/250V	--	E20624	VDE
		Conquer	UDA	T6.3AH/250V	2002010207027084	E82636	VDE
		Cooper Bussmann Inc	S505	T6.3AH/250V	--	E19180	VDE
Thermistor (OPTIONAL)	TH120	VARIOUS	VARIOUS	Max. 2.5Ω, 8A Min.	--	--	--
X-CAPACITOR (OPTIONAL)	C104, C105, C107	ARCOTRONIC ITALIA S.P.A.	R.46/ R.49	0.22uF Max. / Min. 250V	CQC03001008842	E97797	ENECL
		ISKRA KONDENZATORJI D D	KNB1560/KNB1563	0.22uF Max. / Min. 250V	CQC04001011746	E103619	VDE
		ISKRA KONDENZATORJI D D	KNB1562/KNB1530	0.22uF Max. / Min. 250V	CQC04001011746	E103619	VDE
		VISHAY ELECTRONIC GMBH	F1772	0.22uF Max. / Min. 250V	--	E100682	VDE
		VISHAY ELECTRONIC GMBH	F1778-xxx-x2xxxx	0.22uF Max. / Min. 250V	--	E100682	VDE
		MATSUSHITA ELECTRIC INDUSTRIAL CO LTD	ECQUG	0.22uF Max. / Min. 250V	--	E79502	VDE
		OKAYA ELECTRIC INDUSTRIES CO LTD	PA/RE series	0.22uF Max. / Min. 250V	--	E47474	VDE
		OKAYA ELECTRIC INDUSTRIES CO LTD	LE series	0.22uF Max. / Min. 250V	CQC03001006331	E47474	ENECL
		ULTRA TECH XIPHI ENTERPRISE CO LTD	HQX	0.22uF Max. / Min. 250V	CQC03001003067	E183780	VDE
		TEAPO ELECTRONIC CORP	XG-H	0.22uF Max. / Min. 250V	CQC03001003767	E81959	VDE
		CARLI ELECTRONICS CO LTD	MPX	0.22uF Max. / Min. 250V	CQC03001007996	E120045	VDE
		SHINY SPACE ENTERPRISE CO LTD	SX1	0.22uF Max. / Min. 250V	--	E186561	VDE
		HUA JUNG COMPONENTS CO LTD	MKP	0.22uF Max. / Min. 250V	--	E0149057	ENECL
		CHIEFCON ELECTRONICS CO LTD	CKX	0.22uF Max. / Min. 250V	--	E209251	VDE
		CHENG TUNG INDUSTRIAL CO LTD	CTX series	0.22uF Max. / Min. 250V	--	E193049	VDE
Bridging Cap (Y1 type) (Optional)	Max. 100pF for C100, C101; Max. 1000pF for C108, Max. 470pF for C102, C103, C130 (FSP160-3PI01)	MURATA MFG. CO., LTD.	KX	250V/ 125°C / Y1 Cap	--	E37921	VDE
		MUATSUSHITA	NS-A	250V/ 125°C / Y1 Cap	--	E62674(N)	VDE
		TDK CORPORATION	CD	250V/ 125°C / Y1 Cap	CQC03001004816	E37861	VDE
		PAN OVERSEAS	AH	250V/ 125°C / Y1 Cap	CQC03001003673	E146544	VDE
		VISHAY/DRALORIC	VY1	250V/ 125°C / Y1 Cap	--	E183844	VDE
		SUCCESS ELECTRONICS CO LTD	SE/SB	250V/ 125°C / Y1 Cap	CQC02001001788	E124280	VDE
		MURATA MFG. CO., LTD.	KX	250V/ 125°C / Y1 Cap	--	E37921	VDE
	Max. 100pF for C100; Max 1000pF for C108; Max. 2200pF for C112; Max. 470pF for C130 (FSP250-3PI03)	MUATSUSHITA	NS-A	250V/ 125°C / Y1 Cap	--	E62674(N)	VDE
		TDK CORPORATION	CD	250V/ 125°C / Y1 Cap	CQC03001004816	E37861	VDE
		PAN OVERSEAS	AH	250V/ 125°C / Y1 Cap	CQC03001003673	E146544	VDE
		VISHAY/DRALORIC	VY1	250V/ 125°C / Y1 Cap	--	E183844	VDE
		SUCCESS ELECTRONICS CO LTD	SE/SB	250V/ 125°C / Y1 Cap	CQC02001001788	E124280	VDE
BLEEDER RESISTOR	R101, R102, R103 (FSP160-3PI01)	VARIOUS	SMD,1206	750KΩ, Min. 1/4W	--	--	--
	R101, R102, R103 (FSP250-3PI03)	VARIOUS	SMD,1206	390KΩ, Min. 1/4W	--	--	--
VARISTOR (OPTIONAL)	VA100	THINKING ELECTRONIC INDUSTRIAL CO LTD	TVR14621	395Vac, 510Vdc	CQC03001005185	E186499	VDE
		SONG LONG ELECTRONICS CO LTD	SAS-621KD14	385Vac, 505Vdc	--	E162455	VDE
		MAIDA DEVELOPMENT CO	Z391-85UL	390Vac, 505Vdc	--	E38785	VDE
		SUCCESS ELECTRONICS CO LTD	SVR-14D621K	385Vac, 505Vdc	--	E114280	VDE
		PAN OVERSEAS ELECTRONIC CO LTD	PVR-14D621K	385Vac, 505Vdc	--	E146544	--
PFC Mosfet	Q120 (FSP160-3PI01)	VARIOUS	VARIOUS	600V Min, 10A Min.	--	--	--

	Q120 (FSP250-3PI03)	VARIOUS	VARIOUS	600V Min, 21A Min.	--	--	2009/L9
PFC Current Resistor	R127	VARIOUS	VARIOUS	0.15Ω, Min. 2W	--	--	2 of 2
	R127B	VARIOUS	VARIOUS	0.12Ω, Min. 2W	--	--	--
Main Mosfet	Q150	VARIOUS	VARIOUS	800V Min, 6.6A Min.	--	--	--
Main Current Resistor	R151	VARIOUS	VARIOUS	0.68Ω, Min. 2W	--	--	--
PWM IC	U601	VARIOUS	VARIOUS	Min. 3.2A, min. 650V	--	--	--
ELE-CAPACITOR	C120 (FSP160-3PI01)	VARIOUS	VARIOUS	150uF-270uF 450V/ 105 °C Min.	--	--	--
	C120 (FSP250-3PI03)	VARIOUS	VARIOUS	180uF-270uF 450V/ 105 °C Min.	--	--	--
LINE CHOKE (Optional)	L100, L101 (FSP160-3PI01)	SPI	8LM00354	class 130°C	--	--	--
	L100, L101 (FSP250-3PI03)	SPI	8LM00855	class 130°C	--	--	--
	L102 (FSP160-3PI01)	SPI	8LM01076	class 130°C	--	--	--
	L102 (FSP250-3PI03)	SPI	8LM01059	class 130°C	--	--	--
PFC CHOKE	L120 (FSP160-3PI01)	SPI	8TI00490	class 130°C	--	--	--
	L120 (FSP250-3PI03)	SPI	8TI00489	class 130°C	--	--	--
	Bobbin	Sumitomo	PM-9820	94V-0	--	UL94	
POLYESTER Cap in PRIMARY	C106	NISSEI HJC NITSUKO Taiwan Tai Yang Electronic Co Ltd SungHo Electronic Co Ltd Taiwan Tai Yang Electronic Co Ltd	MMX Series MFTD MDST series PM Series MPE Series MM Series	1 uF Max, 450V Min, 105°C Min 1 uF Max, 450V Min, 105°C Min	--	--	Nemko
TRANSFORMER	T150 (FSP160-3PI01)	SPI	8TD00475	class B	--	--	--
	T150 (FSP250-3PI03)	SPI	8TG00468	class B	--	--	--
	Bobbin	Chang Chun	T375J	94V-0	--	UL94	--
	T600	SPI	8TB00161	Class B	--	--	--
	Bobbin	Chang Chun	T375J	94V-0	--	UL94	--
	Triple Wire	Great Leoflon	TRW(B)	class 130°C	--	--	--
	T350	SPI	8TA00267	Class B	--	--	--
	Bobbin	Chang Chun	T375J	94V-0	--	UL94	--
	Triple Wire	Great Leoflon	TRW(B)	class 130°C	--	--	--
	T420 (FSP160-3PI01)	SPI	8TT00105	Class B	--	--	--
	Bobbin	Sumitomo	E4008	94V-0	--	UL94	--
	T430 (FSP160-3PI01)	SPI	8TA00350	Class B	--	--	--
	Bobbin	Chang Chun	T375J	94V-0	--	UL94	--
	Triple Wire	Great Leoflon	TRW(B)	class 130°C	--	--	--
	T420, T430 (FSP250-3PI03)	SPI	8TC00479	Class B	--	--	--
	Bobbin	EI DUPONT	FR530	94V-0	--	UL94	--
PHOTOCOUPLER	PC102	TOSHIBA CORPORATION LTD.	TLP721	4000V	--	E67349(N)	VDE
	PC150	VISHAY	SFH617A-	4420V	--	E52744	VDE
	PC600	LITE-ON ELECTRONIC CO., LTD.	LTV-817	5000V	--	E113898(S)	VDE
		SHARP CORPORATION	PC123	5000V	--	E64380(S)	VDE
		FAIRCHILD SEMICONDUCTOR	H11A817	6000V	--	E90700	VDE
		COSMOS ELECTRONICS	K1010/C1010	5000V	CQC04001010530	E169586	VDE
		MATSUSHITA ELECTRONIC CO., LTD.	ON3171	5000V	--	E79920(M)	VDE
		VISHAY	TCET1108/TCET1109	5000V	--	E76222	VDE
		VISHAY	TCET1103	5000V	--	E76222	VDE
		NEC	PS2561 SERIES	5000V	--	E72422	VDE
MAIN BOARD	--	VARIOUS	VARIOUS	94V-0 or better, 130°C min.	--	--	--

Prepared:

Designed:

Purchased: